

### ABSTRACT OF THE DISCLOSURE

To provide a transmission synchronizer that effectively lower the peak value of the operation load during synchronization. A transmission synchronizer equipped with a coupling sleeve 1, synchro hub 5, balk ring 4, and clutch gear 3, comprising: a synchronizing support force generating mechanism that during a shift when relative rotation is generated between said synchro hub 5 and said balk ring 4 by a minute synchronizing torque generated between balk ring cone surface 4a and clutch gear cone surface 3a, converts a circumferential force induced by said relative rotation to an axially applied synchronizing support force, with which said balk ring 4 is pressed against said clutch gear 3; and a relative rotation regulating structure that is located between said balk ring 4 and said synchro hub 5, and when in neutral, regulates the amount of relative rotation between said balk ring 4 and said synchro hub 5 so that said synchronizing support force is not generated.